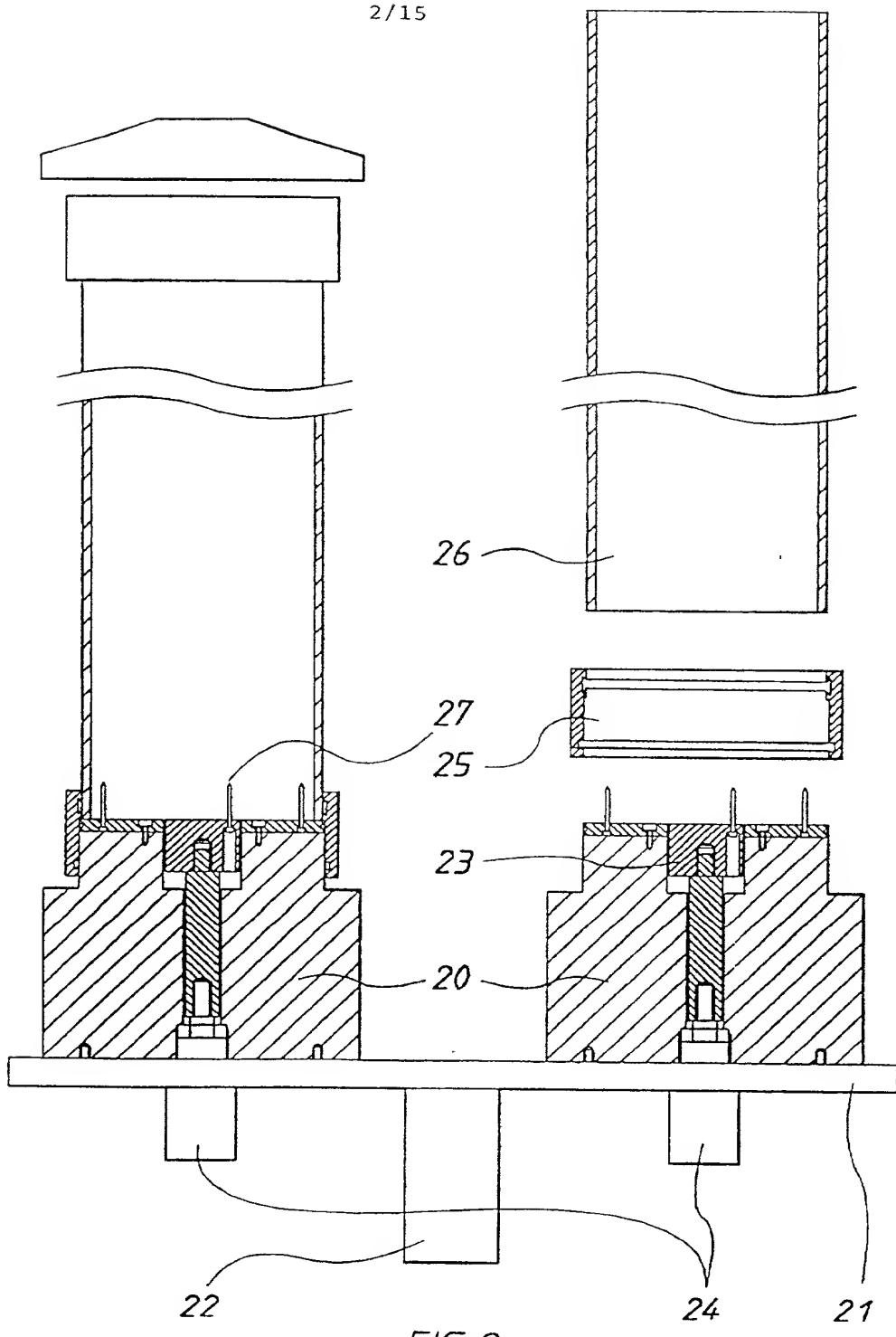


FIG. 1

FIG.2

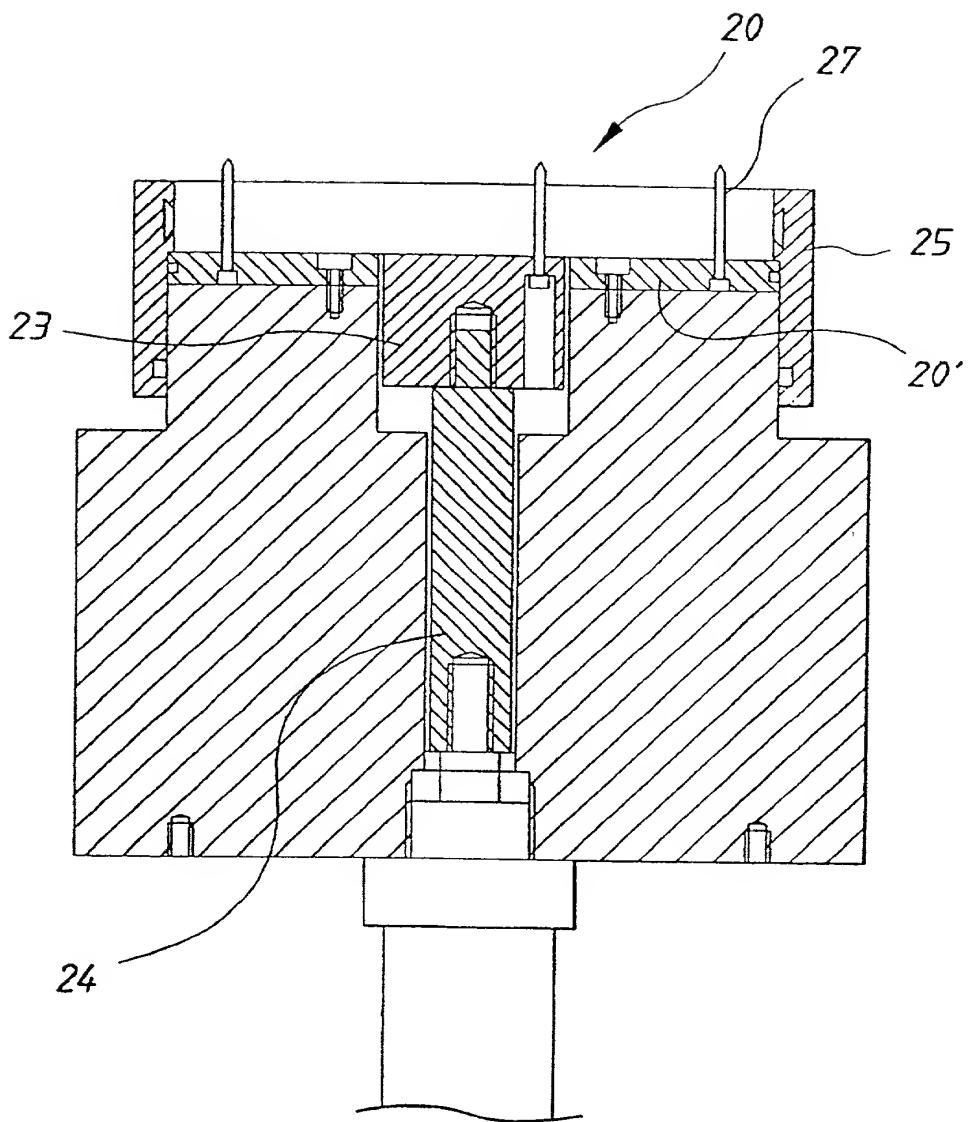


FIG. 3

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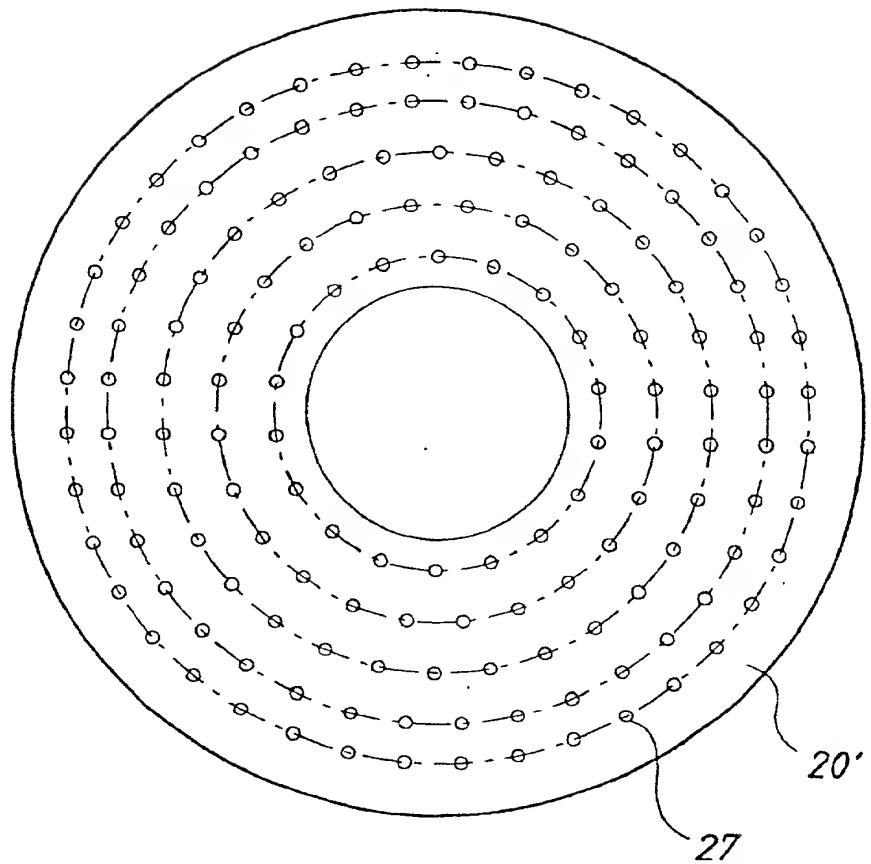


FIG.4A

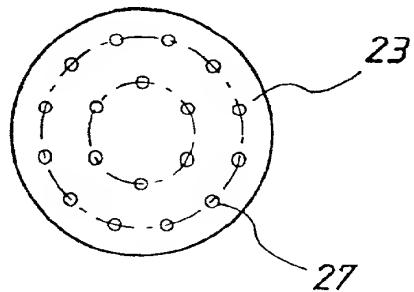


FIG.4B

AUTOMATED SUCTION PROCESS

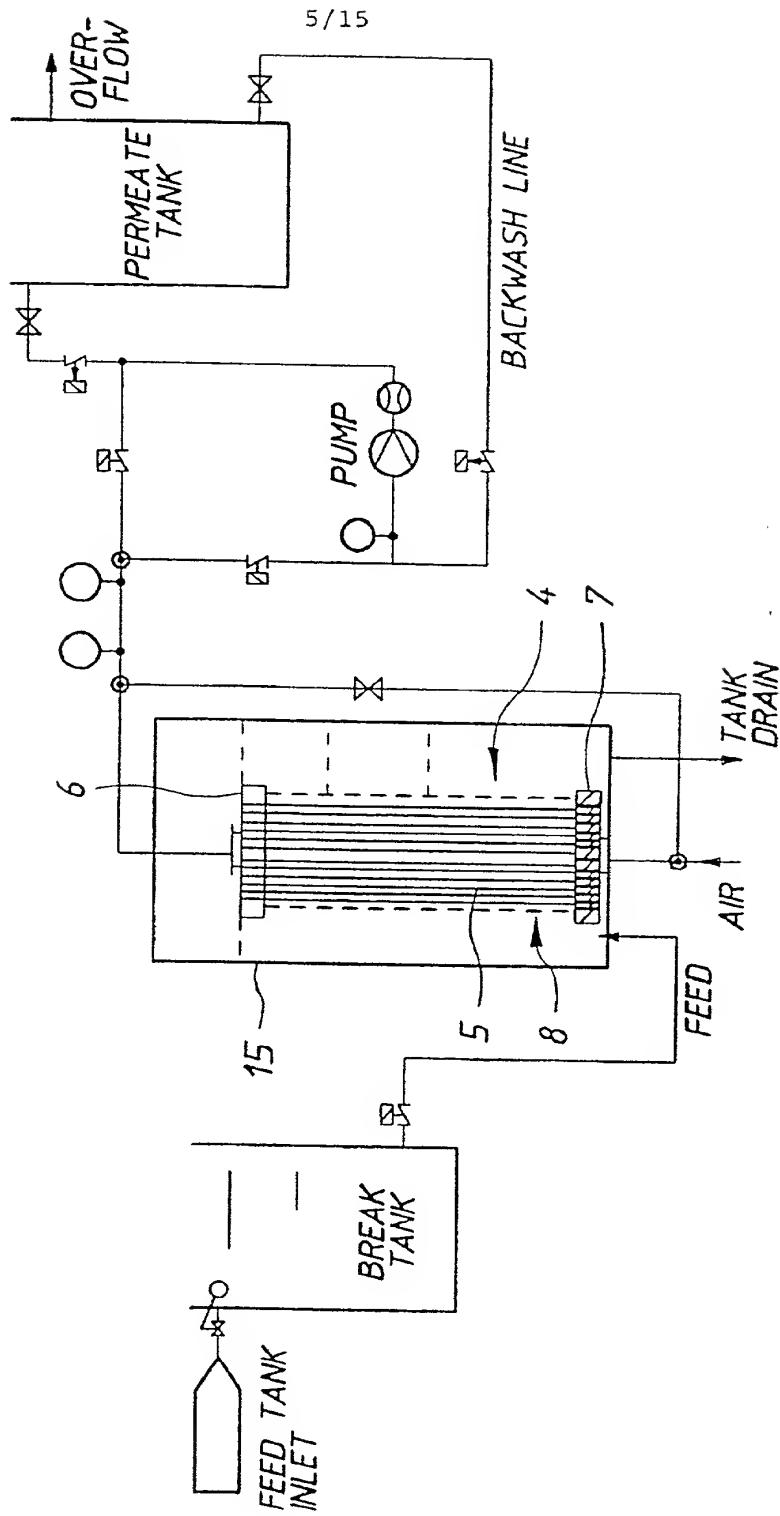


FIG.5

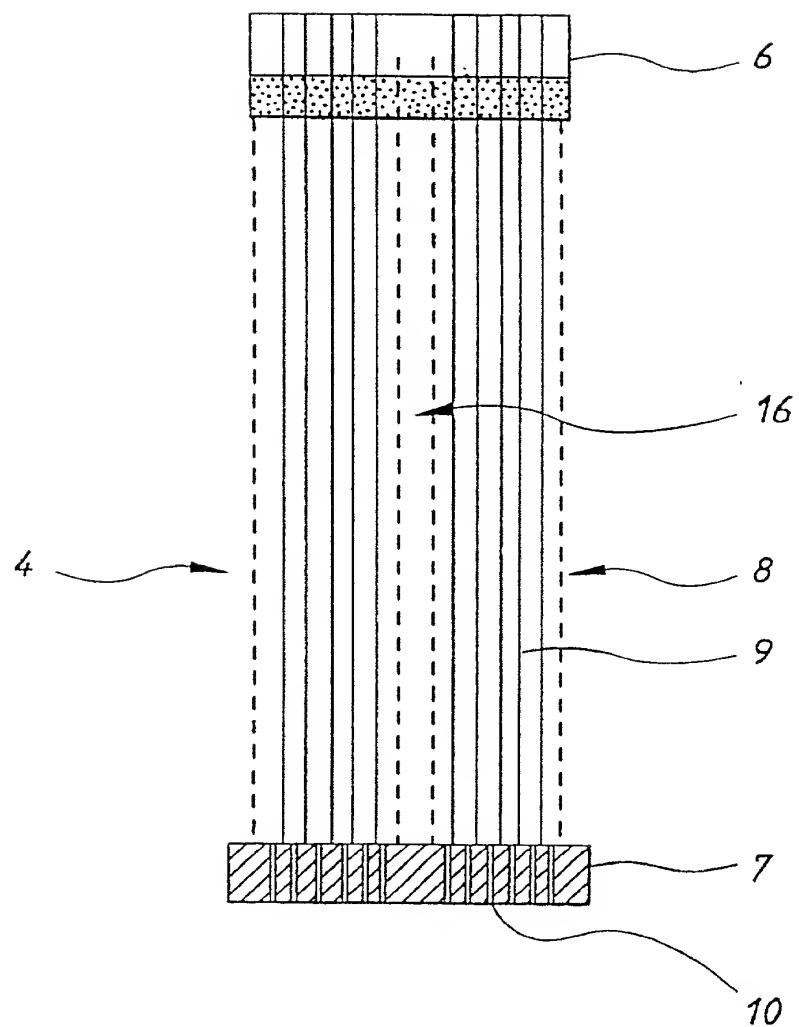


FIG.6

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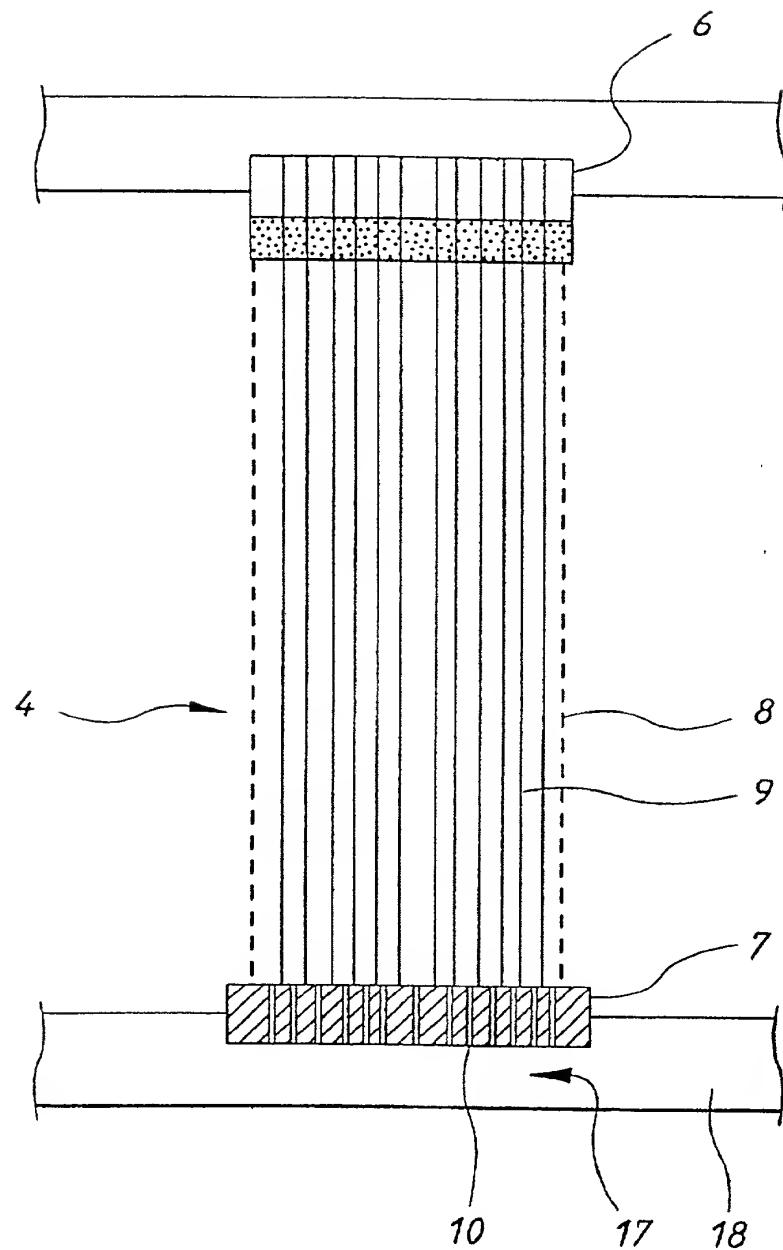
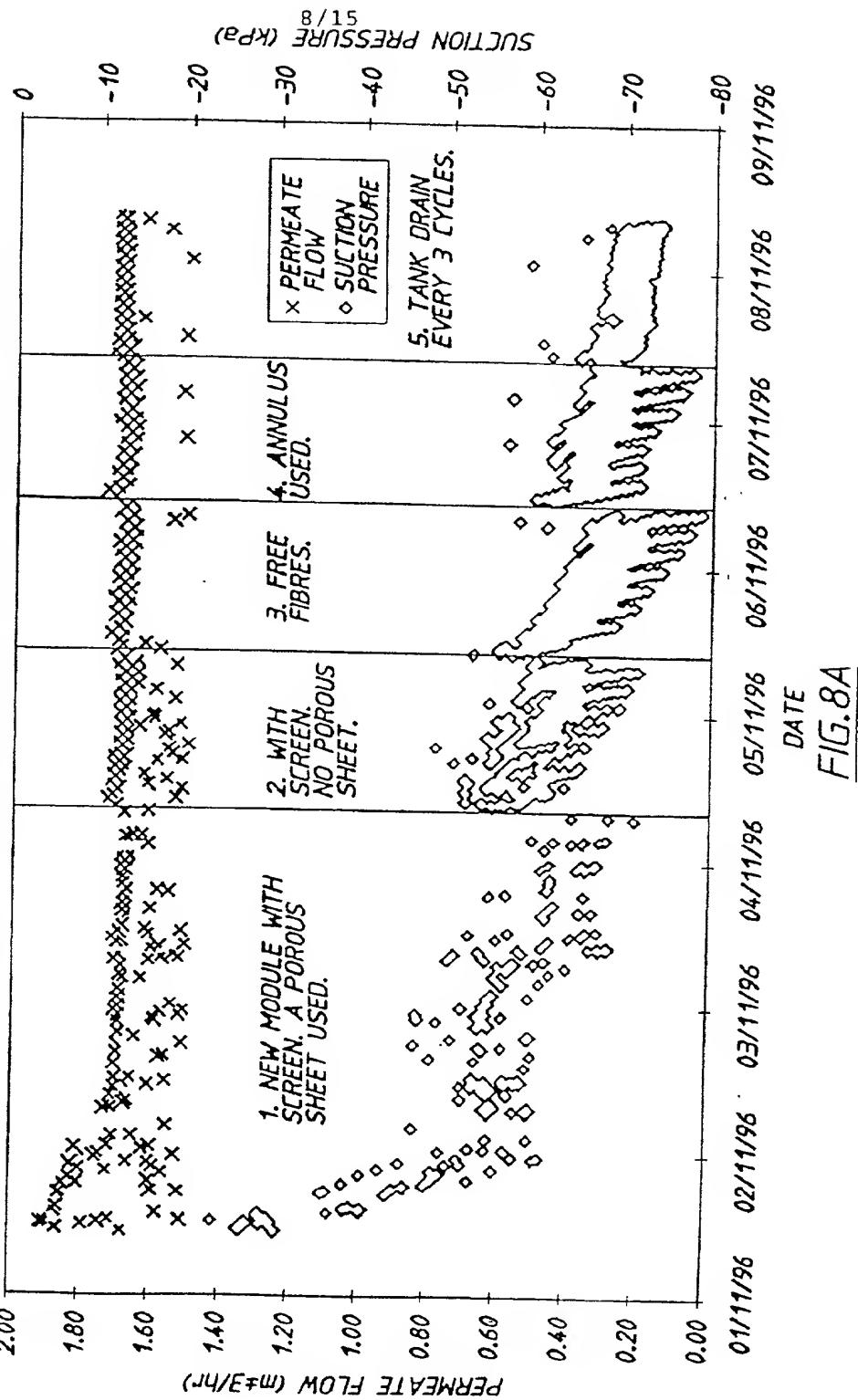


FIG.7

PERMEATE FLOW AND TMP CHANGE WITH TIME UNDER DIFFERENT OPERATIONS



SUCTION RESISTANCE CHANGE WITH TIME UNDER DIFFERENT OPERATIONS

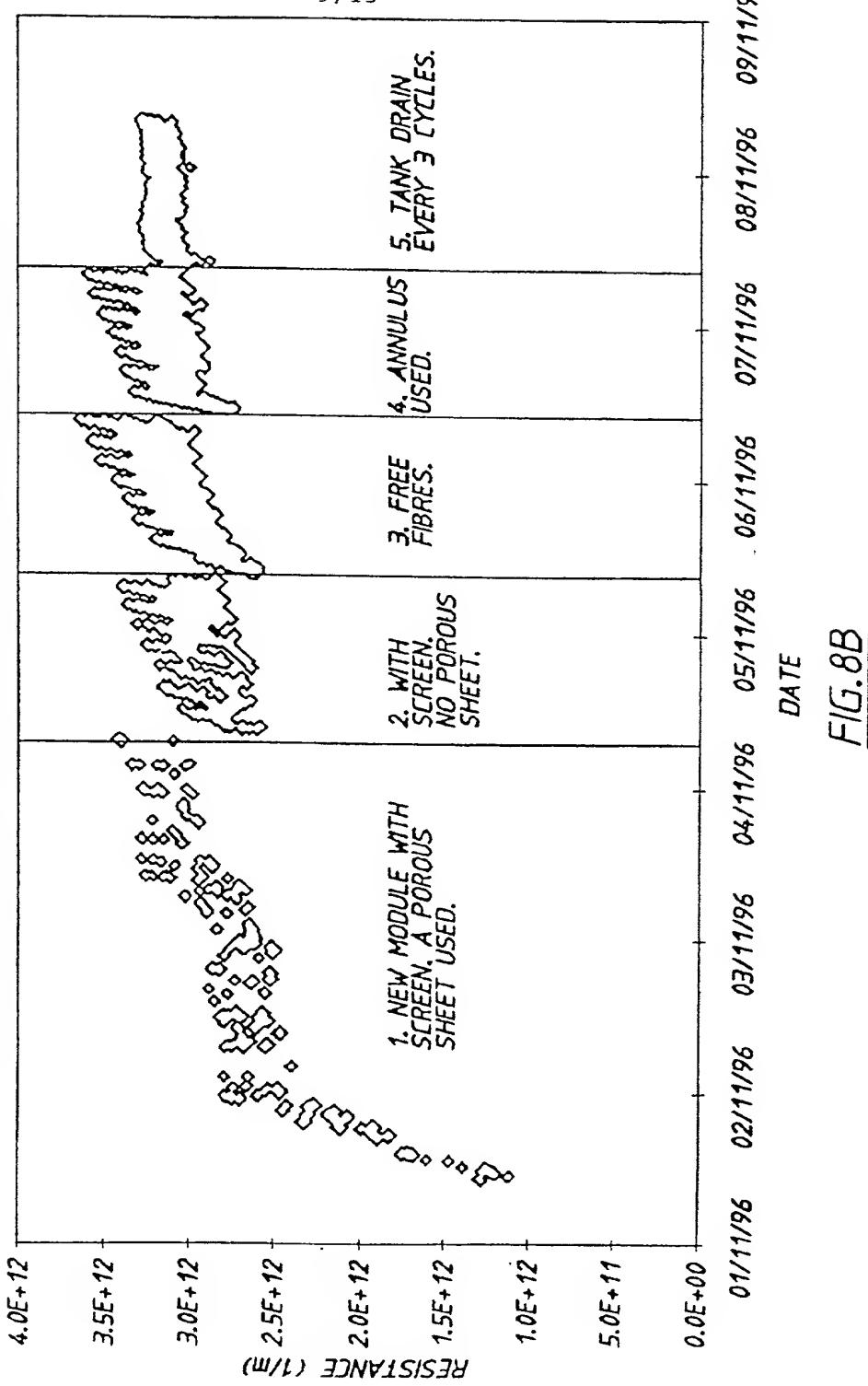
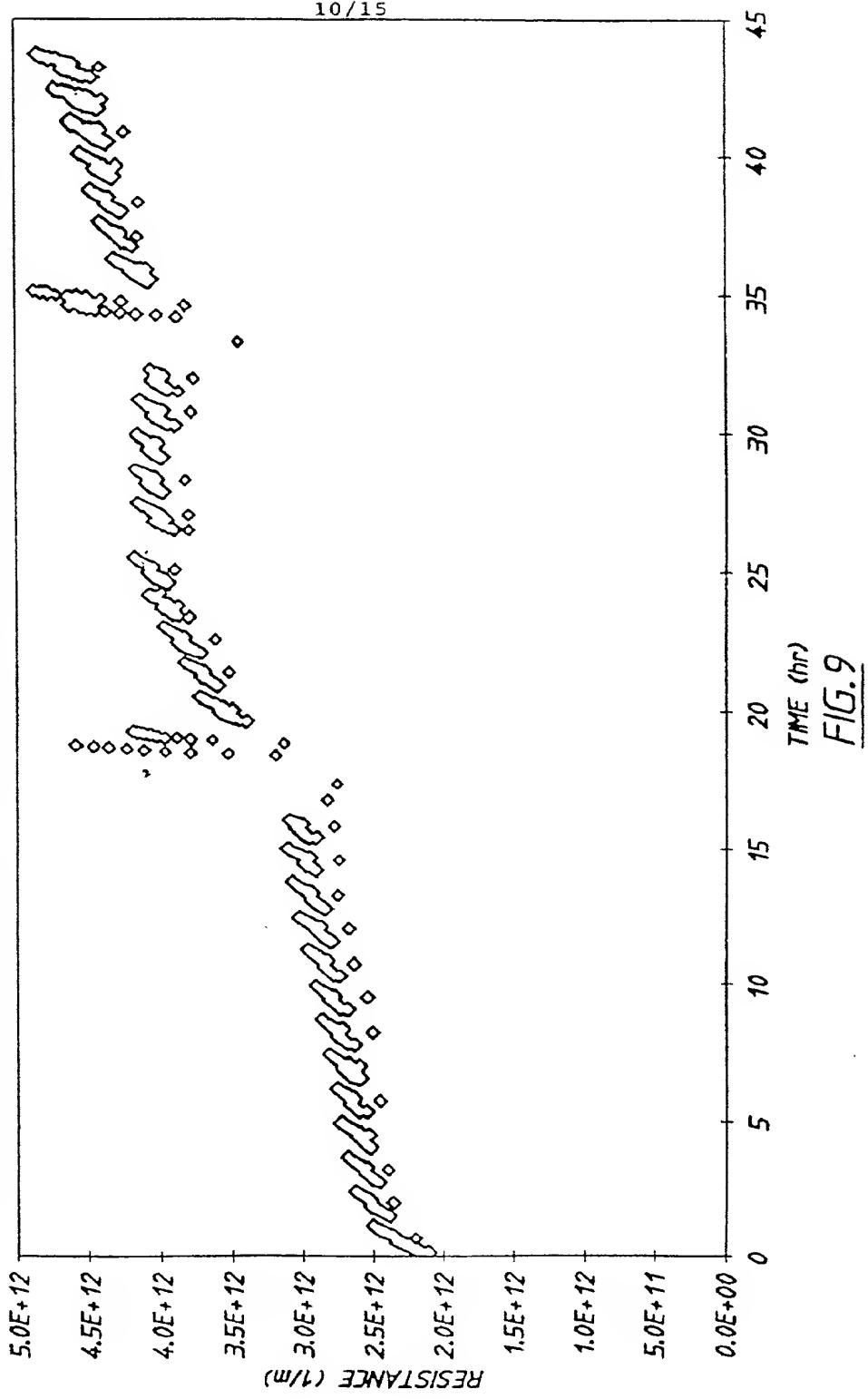


FIG. 8B

RESISTANCE CHANGE WITH TIME - SUCTION FOR 30 MINUTES AND DRAIN DOWN EVERY 2 CYCLES



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RESISTANCE CHANGE WITH TIME WITHOUT POROUS SHEET

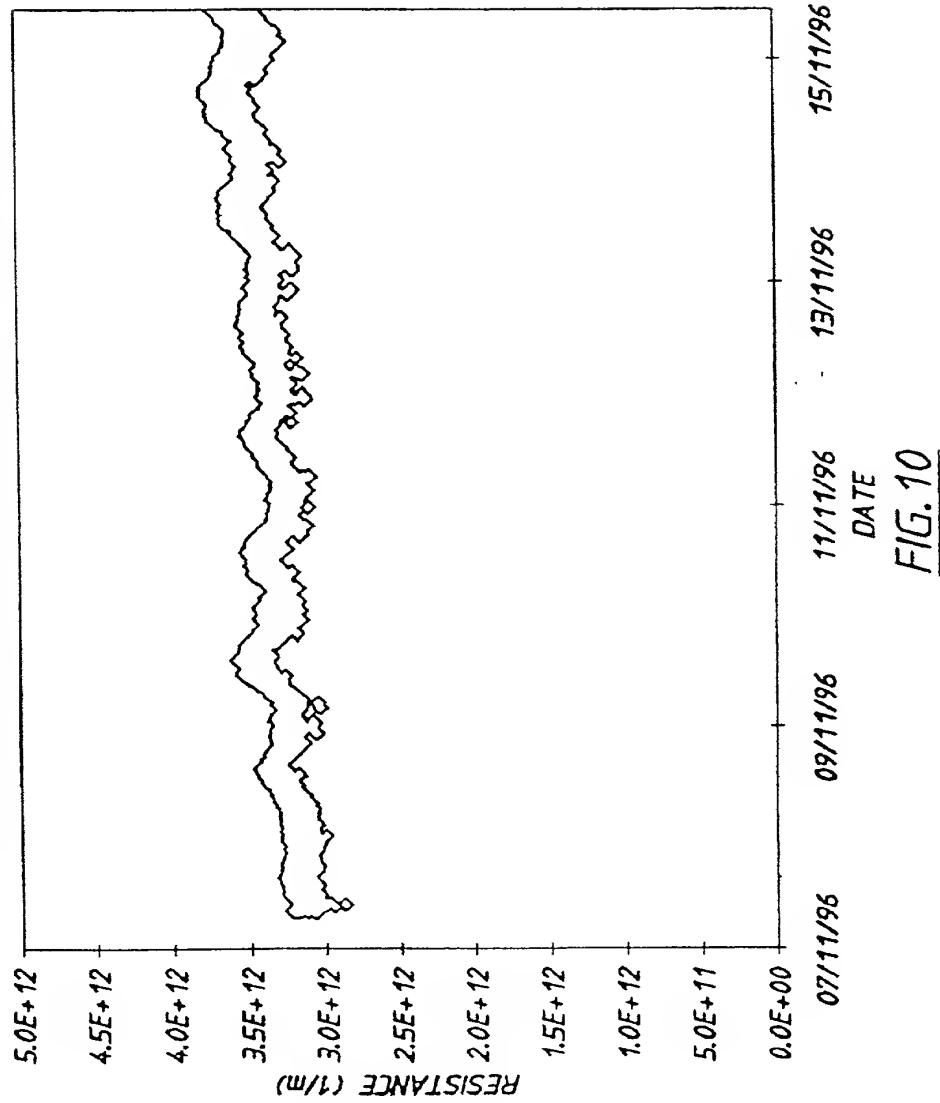
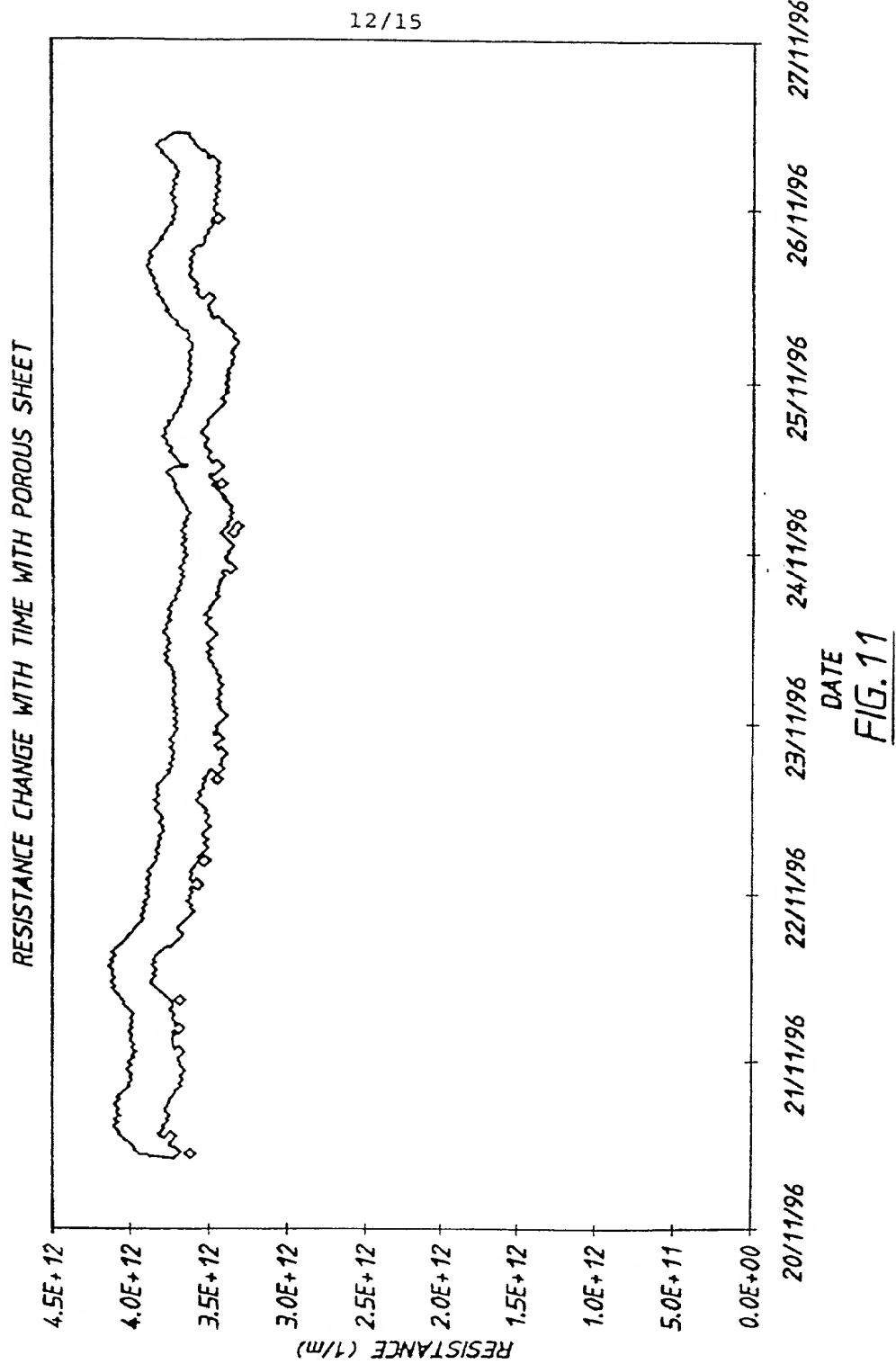


FIG. 10



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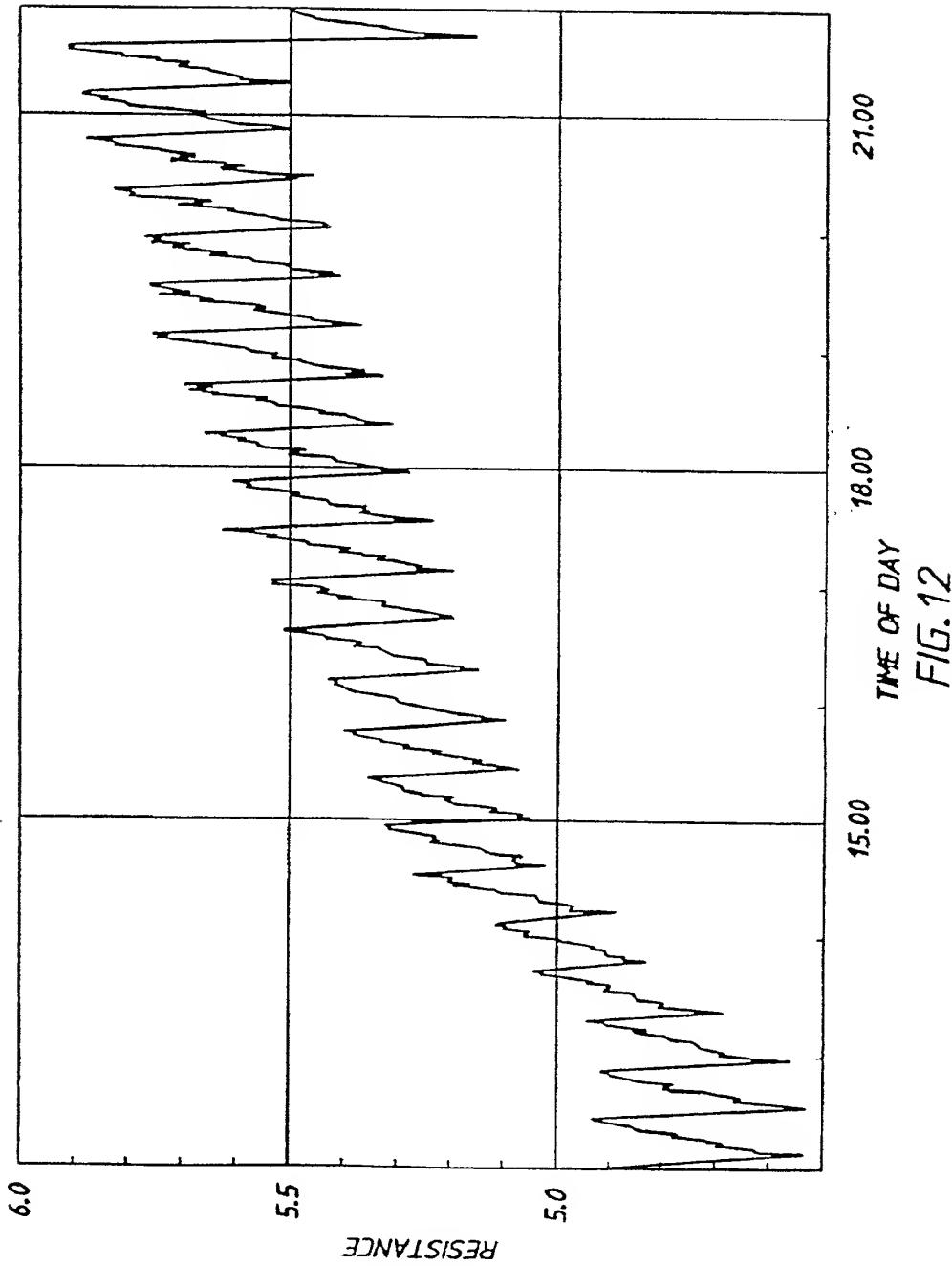


FIG. 12

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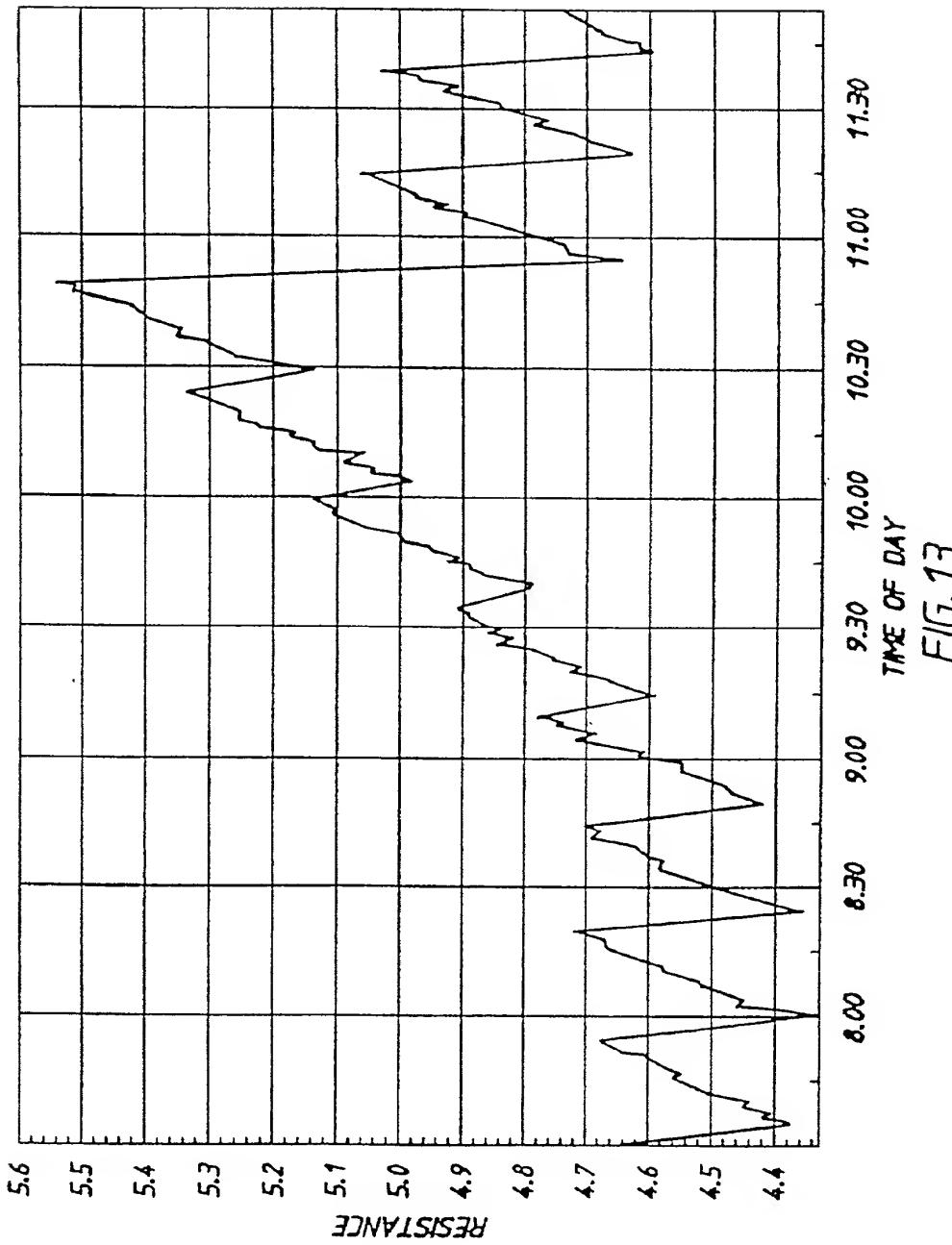


FIG. 13

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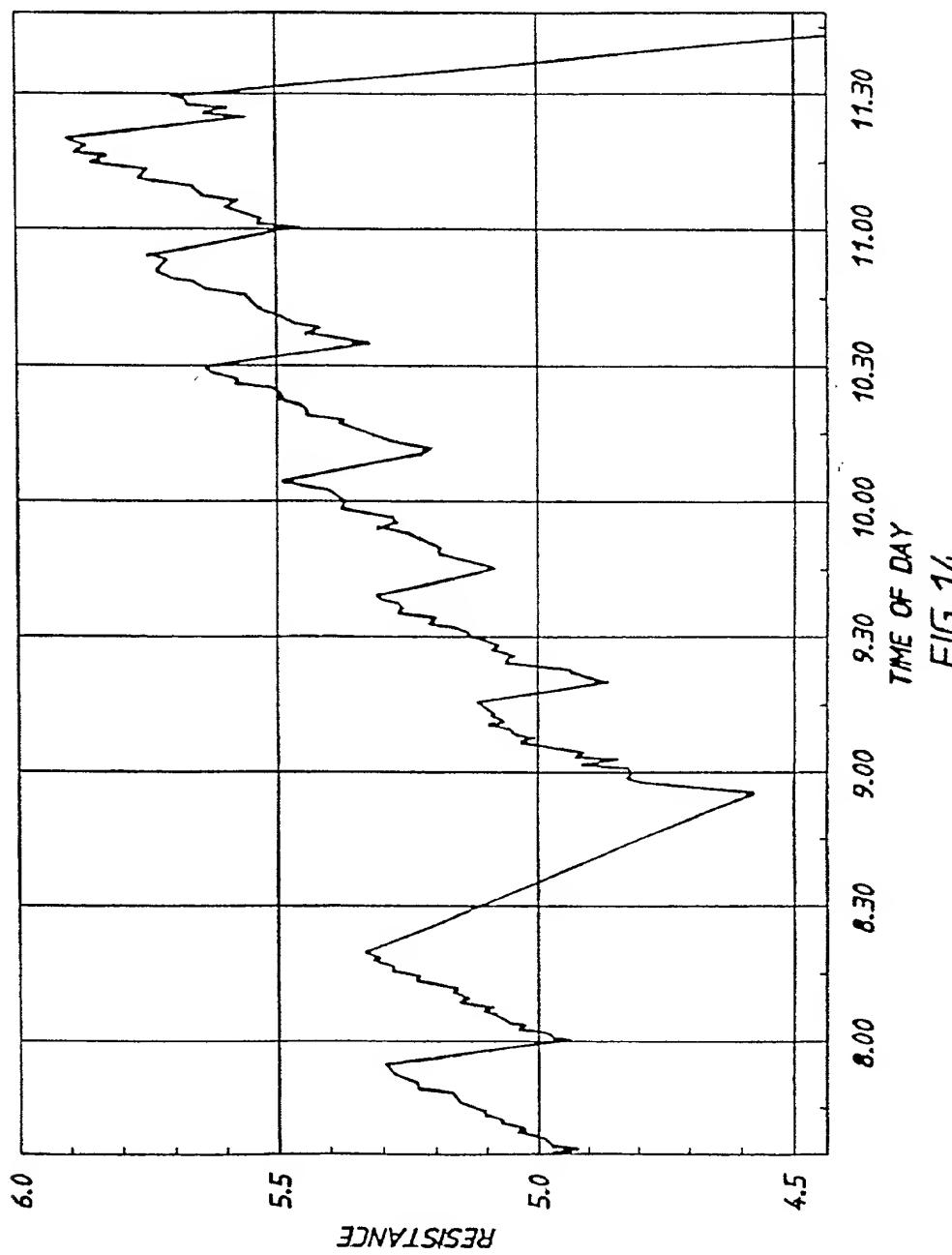


FIG. 14

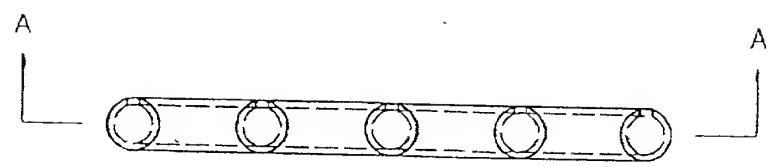


Figure 15a.

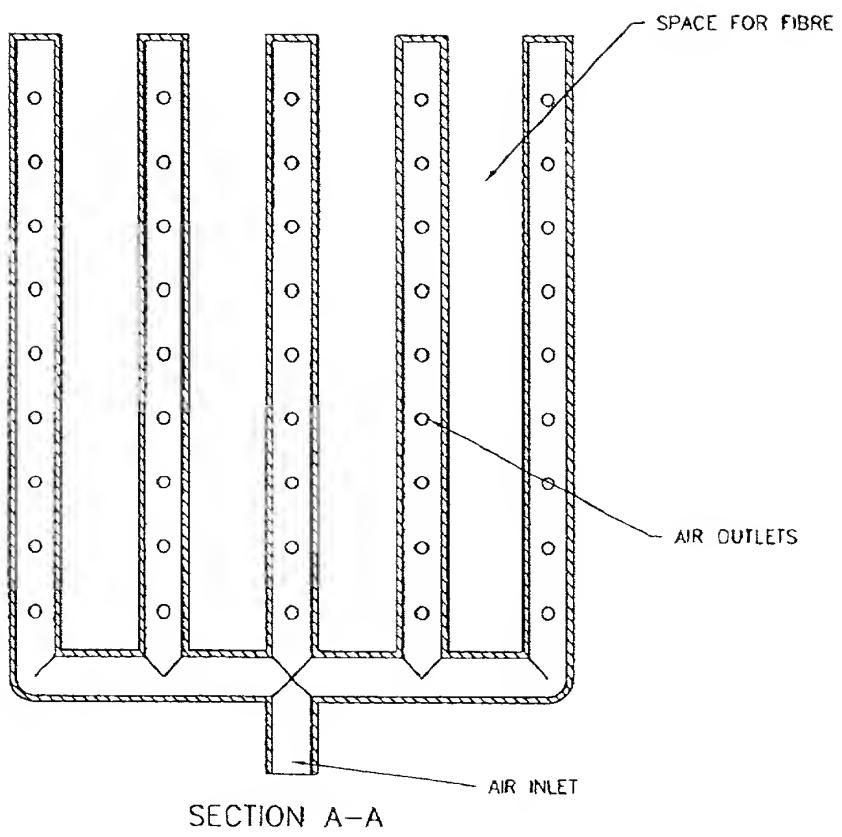


Figure 15b.

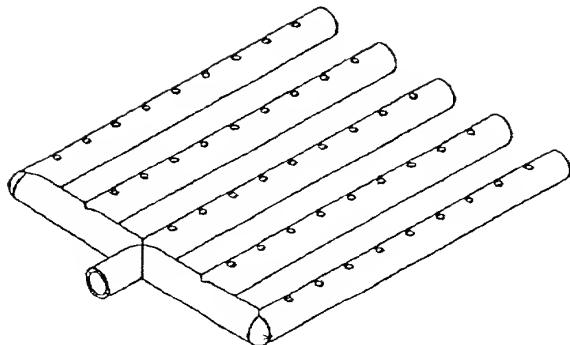


Figure 15c.